

WHAT IS CLAIMED IS

1. A hermetically sealed electrical switch assembly comprising:
a casing having an opening end
a cover sealingly attached to said opening end of said casing for forming a primary volume hermetically sealed from external environment;

electrical switch means received in said primary volume, having electrical contacts to change the conducting states of a power circuit with which said switch means is connected;

magnetic responsive means arranged inside said primary volume in the way that it can slidably engage with the under surface of said cover and couple with said switch means for moving synchronously with said switching device; and

magnetic activating means fitted to the upper surface of said cover for effecting the movement of said magnetic responsive means.

2. A hermetically sealed electrical switch assembly as claimed in claim 1, wherein the positions of said magnetic responsive means and said magnetic activating means can be replaced by each other.

3. A hermetically sealed electrical switch assembly as claimed in claim 1, wherein said electrical switch means having a switching lever which can change its positions together with said electrical contacts, said switching lever is connected with said magnetic responsive means.

4. A hermetically sealed electrical switch assembly as claimed in claim 3, wherein said magnetic responsive means comprises an inner body and a first magnet device disposed in said inner body.

5. A hermetically sealed electrical switch assembly as claimed in claim 4, wherein said magnetic activating means comprises an outer body and a second magnet device disposed in said outer body.

6. A hermetically sealed electrical switch assembly as claimed in claim 4 further comprising a retainer mounted on the under surface of said cover for defining a chamber to fit said magnetic responsive means.

7. A hermetically sealed electrical switch assembly as claimed in claim 6, wherein said retainer has an guiding opening, said switching lever protruding through said opening to couple with said inner body.

8. A hermetically sealed electrical switch assembly as claimed in claim 4, wherein said magnetic responsive means further comprises a plurality of rollers respectively pivoted at said inner body.

9. A hermetically sealed electrical switch assembly as claimed in claim 5 further comprising a plurality of rollers respectively pivoted at said outer body.

10. A hermetically sealed electrical switch assembly as claimed in claim 5, wherein said cover has a paramagnetic portion disposed between said first magnetic device and said second magnetic device in order to concentrate the magnetic flux to thus enhance the attractive force therebetween.

11. A hermetically sealed electrical switch assembly as claimed in claim 5 further comprising a capping attached to said cover for defining a second chamber to fit said magnetic activating means.

12. A hermetically sealed electrical switch assembly as claimed in claim 11, wherein said capping has an opening, said outer body having a handle extending through said opening to external environment for users operating said magnetic activating means manually.

13. A hermetically sealed electrical switch assembly as claimed in claim 5, wherein each of said inner and outer body has a shape of substantially sector with the narrow end thereof pivoted in said cover for free rotating synchronously.

14. A hermetically sealed electrical switch assembly as claimed in claim 13, wherein said inner body has a concave room at the wide end thereof for receiving said first magnetic device.

15. A hermetically sealed electrical switch assembly as claimed in claim 13, wherein said inner body has a guiding hole for providing said switching lever of said switch means to pass through.

16. A hermetically sealed electrical switch assembly as claimed in claim 13, wherein said cover has a sector-shaped guiding room at the upper surface therefor for receiving said outer body.

17. A hermetically sealed electrical switch assembly as claimed in claim 16, said outer body having a skirting edge at the wide end thereof, said skirting edge having a concave room for receiving said second magnet device, said cover having an arc receiving slot next to the wide end of said guiding room for receiving said skirting edge of said outer body to correspond to said first magnetic device via the bottom wall of said receiving slot of said cover.